

Figure 1

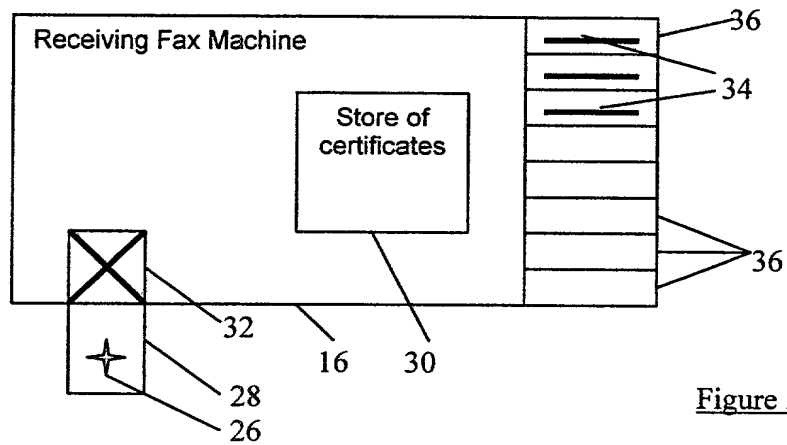


Figure 3

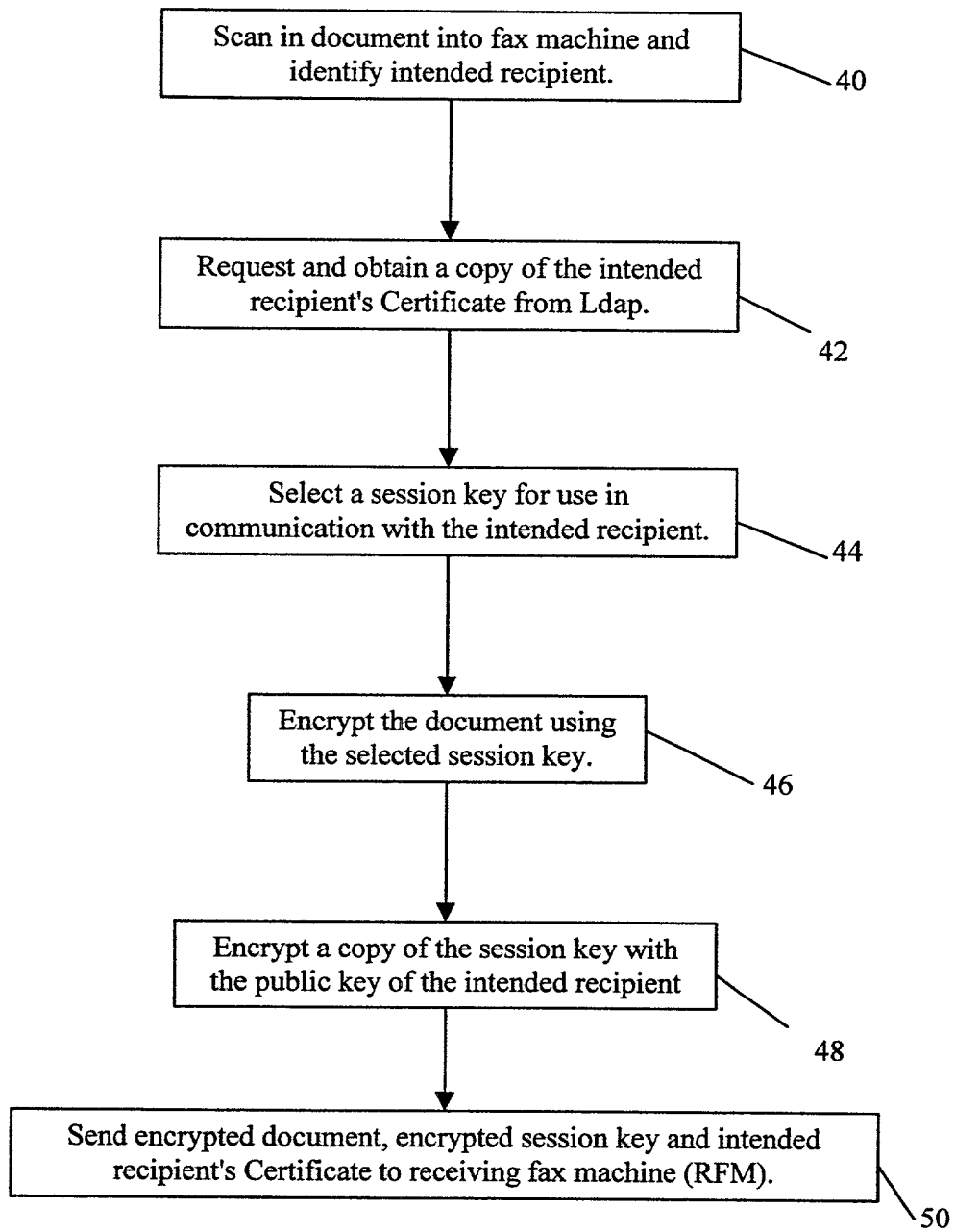


Figure 2a

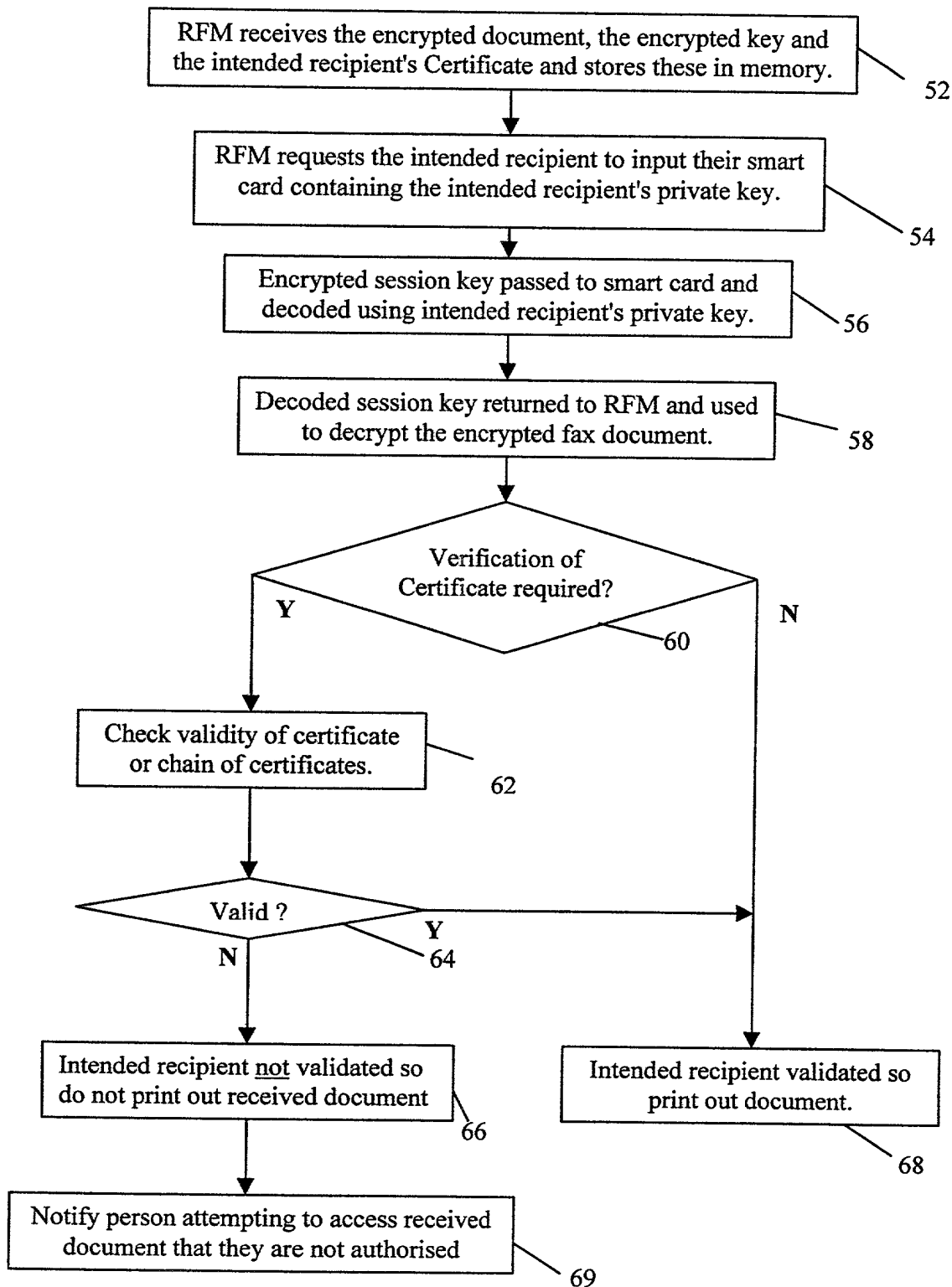


Figure 2b

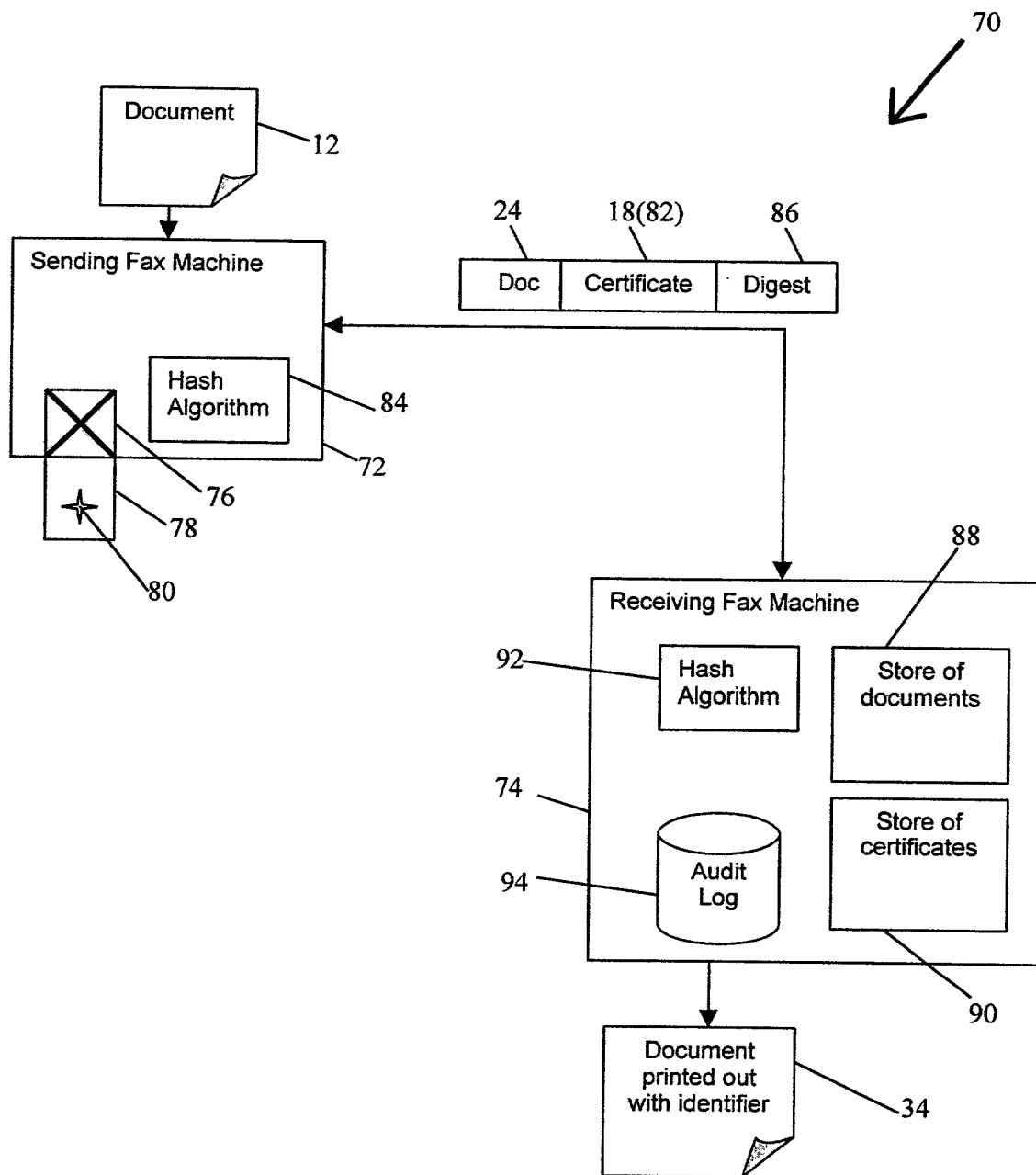


Figure 4

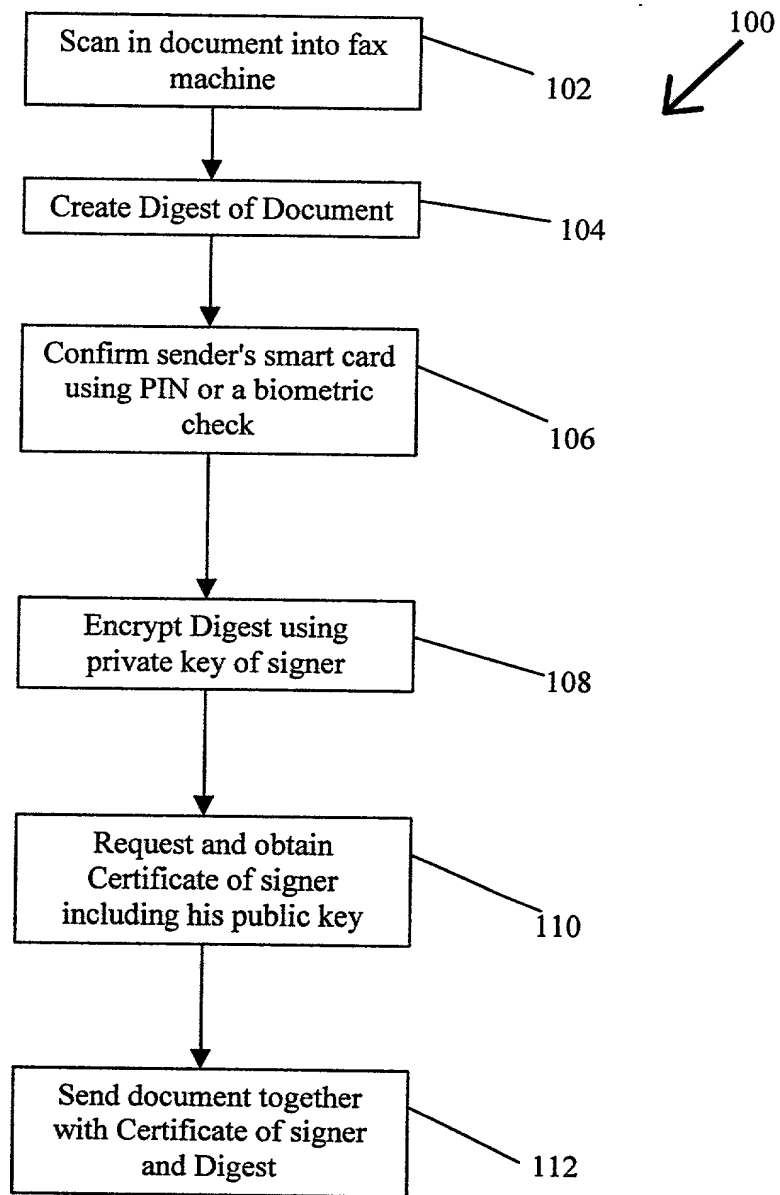


Figure 5

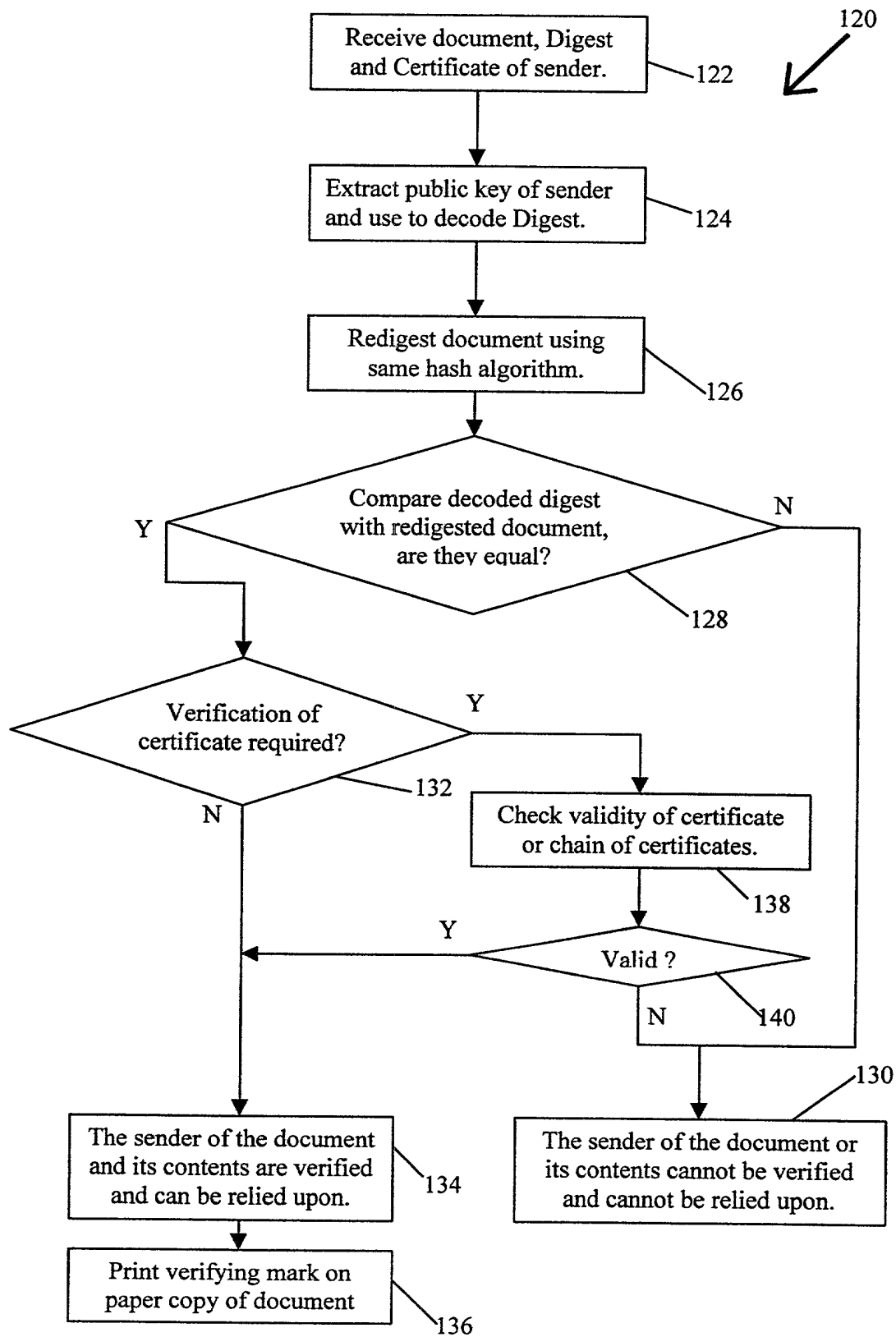


Figure 6

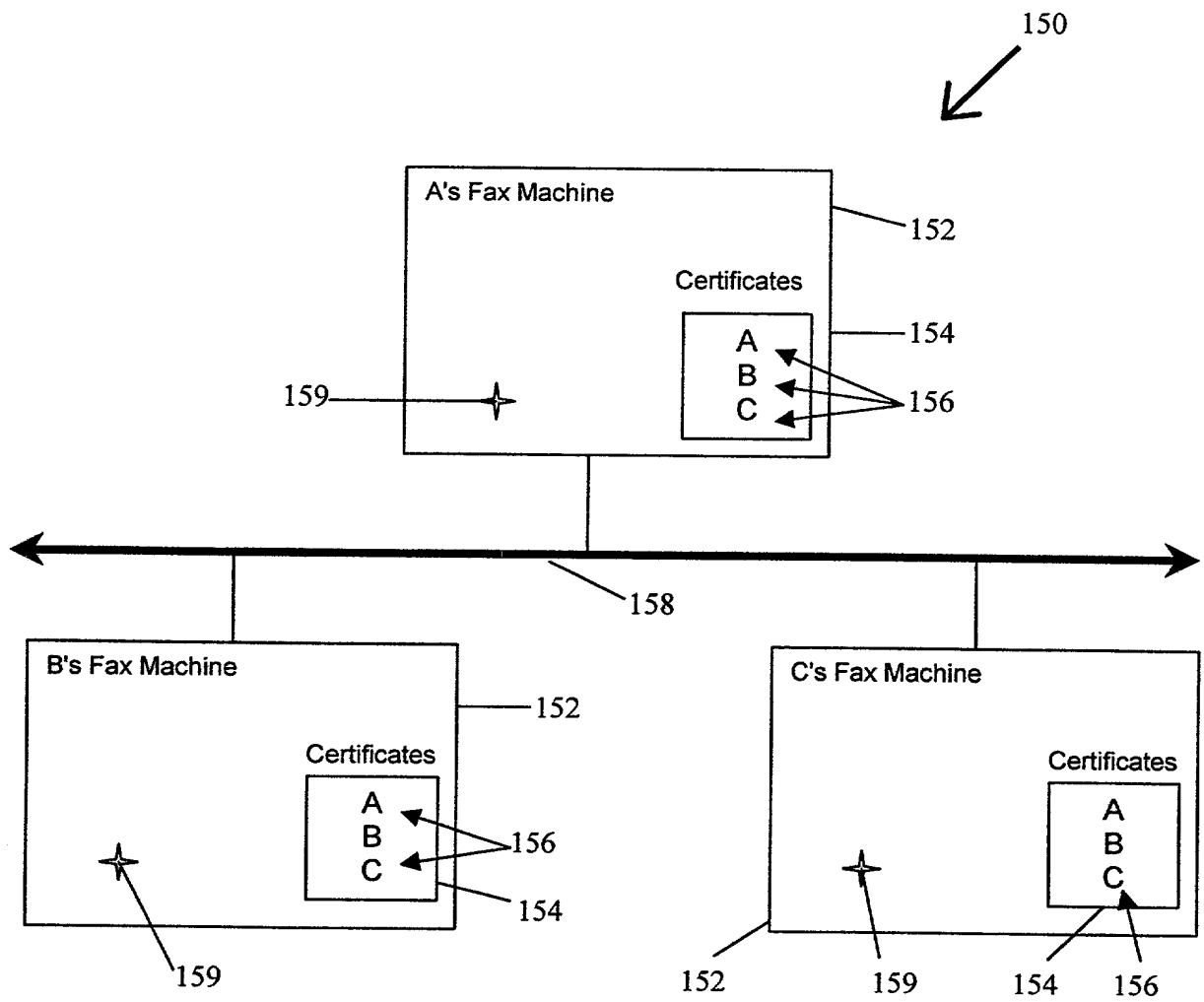


Figure 7

Table 1	
Variable	Value
Age	25.5
Gender	Male
Height	1.75
Weight	75.0
Heart rate	120
Stroke volume	100
Cardiac output	12.0
Systemic pressure	120/80
Pulmonary pressure	25/15
Pulmonary flow	12.0
Arterial oxygen saturation	98%
Mixed venous oxygen saturation	75%
Arterial oxygen tension	100
Mixed venous oxygen tension	40
Arterial carbon dioxide tension	40
Mixed venous carbon dioxide tension	45
Arterial pH	7.4
Mixed venous pH	7.35
Arterial bicarbonate	24
Mixed venous bicarbonate	26
Arterial lactate	1.0
Mixed venous lactate	2.0
Arterial glucose	100
Mixed venous glucose	80
Arterial urea nitrogen	10
Mixed venous urea nitrogen	15
Arterial creatinine	1.0
Mixed venous creatinine	1.5
Arterial bilirubin	1.0
Mixed venous bilirubin	1.5
Arterial albumin	4.0
Mixed venous albumin	3.5
Arterial triglycerides	100
Mixed venous triglycerides	150
Arterial cholesterol	200
Mixed venous cholesterol	250
Arterial HDL	50
Mixed venous HDL	40
Arterial LDL	130
Mixed venous LDL	140
Arterial VLDL	20
Mixed venous VLDL	30
Arterial lipoprotein(a)	30
Mixed venous lipoprotein(a)	40
Arterial fibrinogen	300
Mixed venous fibrinogen	350
Arterial D-dimer	0.5
Mixed venous D-dimer	1.0
Arterial prothrombin time	12
Mixed venous prothrombin time	15
Arterial partial thromboplastin time	30
Mixed venous partial thromboplastin time	35
Arterial platelet count	200,000
Mixed venous platelet count	150,000
Arterial hemoglobin	15
Mixed venous hemoglobin	12
Arterial hematocrit	45
Mixed venous hematocrit	35
Arterial red blood cell count	5.0
Mixed venous red blood cell count	4.0
Arterial mean corpuscular volume	90
Mixed venous mean corpuscular volume	85
Arterial mean corpuscular hemoglobin	30
Mixed venous mean corpuscular hemoglobin	25
Arterial mean corpuscular hemoglobin concentration	33
Mixed venous mean corpuscular hemoglobin concentration	30
Arterial reticulocyte count	1.0
Mixed venous reticulocyte count	2.0
Arterial ferritin	100
Mixed venous ferritin	150
Arterial transferrin	2.0
Mixed venous transferrin	2.5
Arterial transferrin saturation	50%
Mixed venous transferrin saturation	40%
Arterial transferrin receptor	2.0
Mixed venous transferrin receptor	2.5
Arterial transferrin receptor index	2.0
Mixed venous transferrin receptor index	2.5
Arterial transferrin receptor concentration	2.0
Mixed venous transferrin receptor concentration	2.5
Arterial transferrin receptor activity	2.0
Mixed venous transferrin receptor activity	2.5
Arterial transferrin receptor index	2.0
Mixed venous transferrin receptor index	2.5
Arterial transferrin receptor concentration	2.0
Mixed venous transferrin receptor concentration	2.5
Arterial transferrin receptor activity	2.0
Mixed venous transferrin receptor activity	2.5
Arterial transferrin receptor index	2.0
Mixed venous transferrin receptor index	2.5
Arterial transferrin receptor concentration	2.0
Mixed venous transferrin receptor concentration	2.5
Arterial transferrin receptor activity	2.0
Mixed venous transferrin receptor activity	2.5
Arterial transferrin receptor index	2.0
Mixed venous transferrin receptor index	2.5
Arterial transferrin receptor concentration	2.0
Mixed venous transferrin receptor concentration	2.5
Arterial transferrin receptor activity	2.0
Mixed venous transferrin receptor activity	2.5
Arterial transferrin receptor index	2.0
Mixed venous transferrin receptor index	2.5
Arterial transferrin receptor concentration	2.0
Mixed venous transferrin receptor concentration	2.5
Arterial transferrin receptor activity	2.0
Mixed venous transferrin receptor activity	2.5
Arterial transferrin receptor index	2.0
Mixed venous transferrin receptor index	2.5
Arterial transferrin receptor concentration	2.0
Mixed venous transferrin receptor concentration	2.5
Arterial transferrin receptor activity	2.0
Mixed venous transferrin receptor activity	2.5
Arterial transferrin receptor index	2.0
Mixed venous transferrin receptor index	2.5
Arterial transferrin receptor concentration	2.0
Mixed venous transferrin receptor concentration	2.5
Arterial transferrin receptor activity	2.0
Mixed venous transferrin receptor activity	2.5
Arterial transferrin receptor index	2.0
Mixed venous transferrin receptor index	2.5
Arterial transferrin receptor concentration	2.0
Mixed venous transferrin receptor concentration	2.5
Arterial transferrin receptor activity	2.0
Mixed venous transferrin receptor activity	2.5
Arterial transferrin receptor index	2.0
Mixed venous transferrin receptor index	2.5
Arterial transferrin receptor concentration	2.0
Mixed venous transferrin receptor concentration	2.5
Arterial transferrin receptor activity	2.0
Mixed venous transferrin receptor activity	2.5
Arterial transferrin receptor index	2.0
Mixed venous transferrin receptor index	2.5
Arterial transferrin receptor concentration	2.0
Mixed venous transferrin receptor concentration	2.5
Arterial transferrin receptor activity	2.0
Mixed venous transferrin receptor activity	2.5
Arterial transferrin receptor index	2.0
Mixed venous transferrin receptor index	2.5
Arterial transferrin receptor concentration	2.0
Mixed venous transferrin receptor concentration	2.5
Arterial transferrin receptor activity	2.0
Mixed venous transferrin receptor activity	2.

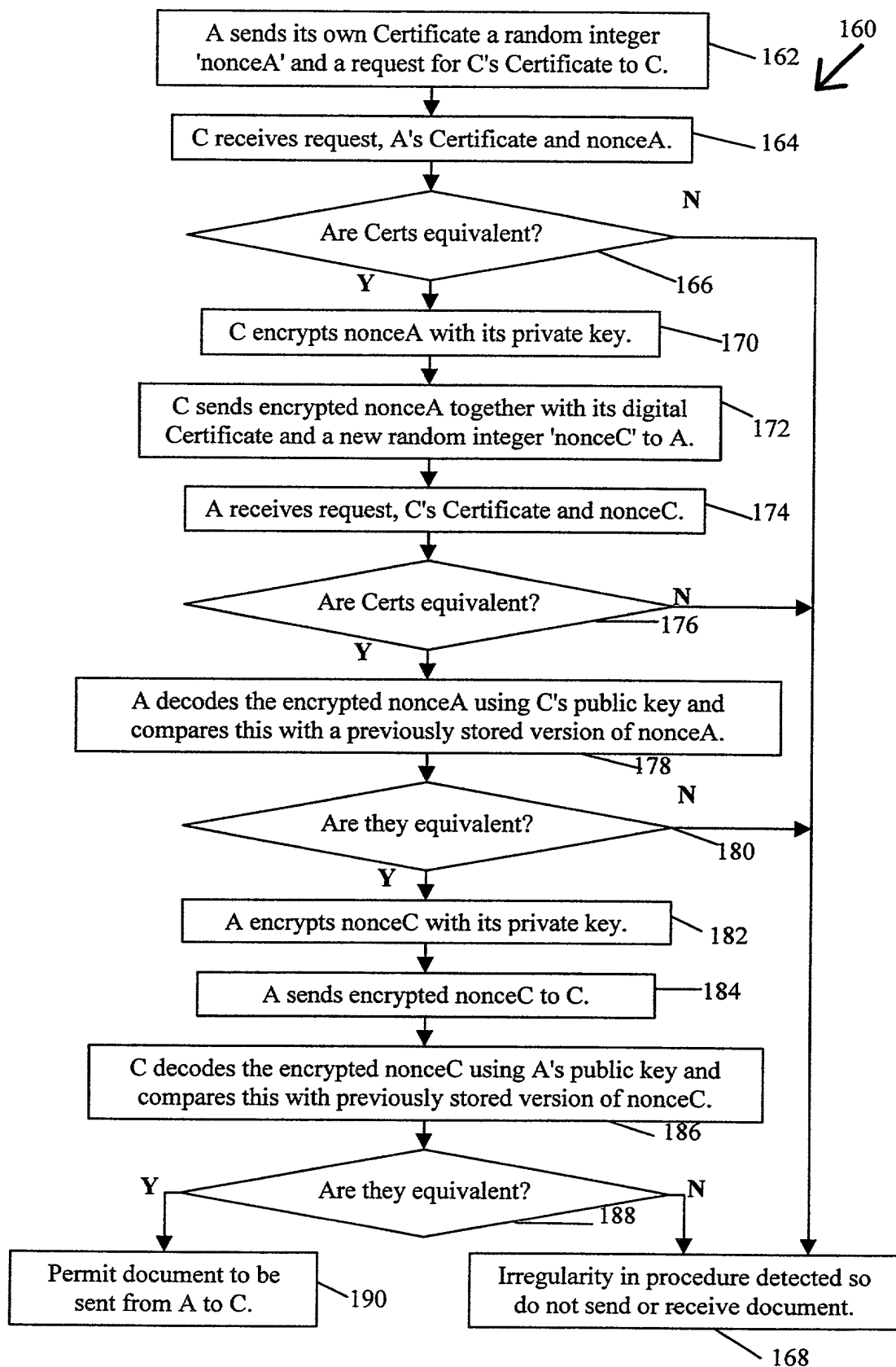


Figure 8